

**THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT (ARTICLE 34):**

Amended Sheets (Pages 21-25)

CLAIMS

1. A device for holding an object under a vacuum, this device comprising a leak tight cavity (16) that contains the object (2) and in which the vacuum is created, this cavity being delimited by a first support
5 (4), for which a first face forms the bottom of the cavity, and by a second support (8) that is fixed to this first face so as to be leak tight, the device also comprising a getter (22) designed to trap gases that could be located in the cavity,
- 10 this device being characterised in that the getter (22) is placed outside the cavity (16) and is contained in a leak tight housing (18) connected to this cavity through at least one leak tight passage (26), this leak tight passage passing through the first support.
- 15
2. Device according to claim 1, in which the first face of the first support (4) carries the object (2).
3. Device according to claim 1, in which the first
20 face of the first support (4) carries the object (2), the object being an uncooled infrared radiation emitter or receiver, or a set of such emitters or receivers, and the second support (8) is capable of allowing infrared radiation (R) to pass through.
- 25
4. Device according to any one of claims 1 to 3, in which the housing (18) is formed in a second face of the first support (4) opposite the first face, and the leak tight passage (26) is formed through the first

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support (4) to connect the housing (18) to the cavity (16).

5 5. Device according to claim 4, in which the housing (18) is hermetically sealed by at least one layer (24) of a leak tight material.

10 6. Device according to either of claim 4 or 5, in which the walls of the housing (18) are preferably covered by at least one layer (20) protecting the first support (4) from the getter (22).

15 7. Device according to any one of claims 4 to 6, in which this protective layer (20) is made of a material chosen from among SiO , SiN and Si_3N_4 .

20 8. Device according to any one of claims 1 to 7, in which the getter (22) is made from a material chosen from among titanium, molybdenum, barium, tantalum, zirconium, iron and vanadium.

25 9. Process for making the device according to any one of claims 1 to 8, in which:

- the object (2) is formed on the first face of the first support (4),
 - the housing (18) is formed in the second face of this first support (4),
 - the getter (22) is formed in this housing,
 - the getter is hermetically sealed in this housing,
- 30

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- the passage (26) is formed through the first support,
- the assembly thus obtained is put under a vacuum,
- 5 - the second support (8) is fixed to the first face of the first support in a leak tight manner, under a vacuum, and
- the getter (22) is activated.

10 10. Process for making the device according to any one of claims 1 to 8, in which:

- the object (2) is formed on the first face of the first support (4),
- the housing (18) is formed in the second face of this first support (4),
- 15 - the getter (22) is formed in this housing,
- the passage (26) is formed through the first support (4),
- the second support (8) is fixed to the first face of the first support in a leak tight manner, under any type of atmosphere,
- 20 - the assembly thus obtained is put under a vacuum by pumping through the getter and the passage,
- the getter (22) is hermetically sealed in the housing (18), and
- 25 - the getter (22) is activated.

11. Process for making the device according to claim 1, in which the object is a component comprising
30 an uncooled infrared radiation emitter or receiver, or a plurality of such components, the second support (8)

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allowing infrared radiation (R) to pass, a read circuit being associated with this component or with this plurality of such components and formed on the first support, and in which:

- 5 - the housing (18) is formed in the second face of the first support (4),
- the read circuit is formed and the getter (22) is formed in the housing during initial steps of formation of the read circuit, these initial
- 10 steps resisting high temperatures, but before final steps for formation of the read circuit,
- the object (2) is formed on the first face of the first support,
- the getter is hermetically sealed in the
- 15 housing,
- the passage (26) is formed through the first support,
- the assembly thus obtained is put under a vacuum,
- 20 - the second support (8) is fixed to the first face of the first support in a leak tight manner, under a vacuum, and
- the getter (22) is activated.

25 12. Process for making the device according to claim 1, in which the object is a component comprising an uncooled infrared radiation emitter or receiver, or a plurality of such components, the second support (8) allowing infrared radiation (R) to pass through, a read

30 circuit being associated with this component or with

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this plurality of such components and formed on the first support, and in which:

- the housing (18) is formed in the second face of the first support (4),
- 5 - the read circuit is formed and the getter (22) is formed in the housing during initial steps of formation of the read circuit, these initial steps resisting high temperatures, but before final steps for formation of the read circuit,
- 10 - the object (2) is formed on the first face of the first support,
- the passage (26) is formed through the first support (4),
- the second support (8) is fixed to the first face of the first support in a leak tight manner, under any type of atmosphere,
- 15 - the assembly thus obtained is put under a vacuum by pumping through the getter and the passage,
- the getter (22) is hermetically sealed in the housing (18), and
- 20 - the getter (22) is activated.

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